

ILS

Information Systems,
Logistics and
Supply Chain



THEMATIC SESSION: TS13

Title: Influence of climate change on supply chains

Conference associated Topic: Information and Decision Systems for Supply Chain Management

Organizer: Xavier BRUSSET (Skema Business School, France)

Contact: Xavier.brusset@skema.edu

Abstract: Demand for many products can be adversely impacted by the accumulation of unfavourable weather conditions. Manufacturers are particularly exposed because the effect of adverse weather on sales is compounded. Not only do they risk lost sales and fewer replenishment orders in the current season, but orders for the following season are likely to be reduced because of carried-over excess inventory. With climate change, the number and the intensity of abnormal weather patterns has considerably increased, and there is growing demand from manufacturers to find solutions to mitigate the consequences of weather risks. Research in this area is required. Today 70% of a modern economy's sectors are subject to the influence of abnormal weather: from agricultural producers to manufacturers of automotive parts, manufacturers and distributors of fast moving consumer goods and so on. New research in supply chain, logistics, marketing, operations management is expected. The methodologies of research which are encouraged range from qualitative studies to quantitative ones based either on historical series or surveys.

Keywords: *Weather Risk Management, Supply Chain, Decision Making, Statistical Models, Retailing*

